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David K. Y. Yau, Simon S. Lam
December 1998 IEEE/ ACM Transactions on Networking (TON).　Volume 6 Issue 6
Publisher: IEEE Press
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　　Keywords: CPU scheduling, bandwidth scheduling, packet demultiplexing, quality of service
　　guarantees, user level protocol

2　Dynamic hardware plugins in an FPGA with partial run-time reconfiguration
Edson L. Horta, John W. Lockwood, David E. Taylor, David Parlour
June 2002 DAC '02: Proceedings of the 39th conference on Design automation
Publisher: ACM
Full text available: 📄 pdf(406.97 KB)　Additional Information: full citation, abstract, references, cited by, index terms

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Tools and a design methodology have been developed to support partial run-time
reconfiguration of FPGA logic on the Field Programmable Port Extender. High-speed Internet
packet processing circuits on this platform are implemented as Dynamic Hardware ...

　　Keywords: FPG, IP, Internet, hardware, modularity, network, packet, partial RTR, platform
　　computing, reconfiguration, routing

3　The click modular router
Eddie Kohler, Robert Morris, Benjie Chen, John Jannotti, M. Frans Kaashoek
August 2000 ACM Transactions on Computer Systems (TOCS).　Volume 18 Issue 3
Publisher: ACM
Full text available: 📄 pdf(376.31 KB)　Additional Information: full citation, abstract, references, cited by, index terms

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Clicks is a new software architecture for building flexible and configurable routers. A Click router
is assembled from packet processing modules called elements. Individual elements implement
simple router functions like packet classification, ...

Keywords: component systems, routers, software router performance

4   P-MIP: paging extensions for mobile IP
Xiaowei Zhang, Javier Gomez Castellanos, Andrew T. Campbell
April 2002 Mobile Networks and Applications, Volume 7 Issue 2
Publisher: Kluwer Academic Publishers
Full text available: 📄 pdf(272.68 KB)   Additional Information: full citation, abstract, references, cited by, index terms

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As the number of Mobile IP users grows, so will the signalling overhead associated with Internet
mobility management in the core IP network. This presents a significant challenge to Mobile IP
as the number of mobile devices scale-up. In cellular networks, ...

Keywords: Mobile IP, mobility management, paging

5   Service creation and management in active telecom networks
Marcus Brunner, Bernhard Plattner, Rolf Stadler
April 2001 Communications of the ACM, Volume 44 Issue 4
Publisher: ACM
Full text available: 📄 pdf(97.90 KB) 📄 html(34.77 KB)   Additional Information: full citation, references, cited by, index
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